Burlakov, V.M., K.V. Kraiskaya, A.G. Mitko and E.I. Firsov, Free carrier localization effects in the phonon spectra of $YBa_2Cu_3O_x$ 142 (1989) 514

Cai, Z., see D.R. Beck 142 (1989) 378
Cairo, L., M.R. Feix and J. Goedert, Invariants for interacting populations, Phys. Lett. A 140 (1989) 421. Erratum 142 (1989) 537
Capel, H.W., see G.R.W. Quispel 142 (1989) 112
Casahorran, J., A new version of the Witten index 142 (1989) 457
Chakraborty, B. and R. Parthasarathy, Dynamical compactification in Kaluza–Klein cosmology 142 (1989) 75
Chen, C., Surface-effect induced magnetization enhancement in a highly correlated metal: an exact solution of a periodic-cluster Hubbard model 142 (1989) 271
Chen, Y.J., Semi-empirical formula for the energy of a two-dimensional electron gas in the lowest Landau level 142 (1989) 509
Chen, Z.-Y. and N.-N. Huang, Method of meromorphic matrix of transformation for giving soliton solutions of the modified nonlinear Schrödinger equation 142 (1989) 31
Chern, J.-L. and J.K. McIver, Hysteresis, periodic oscillation and pitchfork bifurcation in a coupled mapping system 142 (1989) 99
Chervon, S.V. and A.G. Muslimov, Plane-symmetric gravitational field as a four-component non-linear σ model 142 (1989) 14
Chumanov, V.Ya., see V.A. Khodyrev 142 (1989) 151
Chung, T.C., see K.C. Lim 142 (1989) 164
Cocho, G., see A. Sarmiento 142 (1989) 194
Codling, K., see L.J. Frasinski 142 (1989) 499
Cohen, D.S., see P. Rosenau 142 (1989) 26
Constantin, P., see M. Bartuccelli 142 (1989) 349
Cristiano, R., S. Pagano and P. Silvestrini, Effect of the potential shape on the lifetime of the zero-voltage state in Josephson junctions 142 (1989) 169

Dai, J., see X. Dai 142 (1989) 367
Dai, X. and J. Dai, Some solitary wave solutions for families of generalized higher order KdV equations 142 (1989) 367
De Filippo, S. and M. Salerno, A generalised discrete self-trapping equation as a model for quantum chaology 142 (1989) 479
De Muynck, W.M. and H. Martens, Joint measurement of incompatible observables and the Bell inequalities 142 (1989) 187
Desai, R.C., see S. Puri 142 (1989) 357
Desfontaines, H. and M. Peyrard, Structure of narrow two-component solitary waves in hydrogen bonded chains 142 (1989) 128
Diakonov, A.M., see V.V. Aleksandrov 142 (1989) 307
Dieks, D., Resolution of the measurement problem through decoherence of the quantum state 142 (1989) 439
Dietrich, M.R., see W.H. Fietz 142 (1989) 300
Dimakis, A. and F. Müller-Hoissen, On a gauge condition for orthonormal three-frames 142 (1989) 73
Diósi, L. and B. Lukács, On the minimum uncertainty of space–time geodesics 142 (1989) 331
Dodonov, V.V., A.B. Klimov and V.I. Man'ko, Nonstationary Casimir effect and oscillator energy level shift 142 (1989) 511

Doering, C.R., see M. Bartuccelli 142 (1989) 349
Dubovik, V.M., B.L. Markovski, A.A. Suzko and S.I. Vinitsky, Scattering problem for Faddeev equations in adiabatic representation 142 (1989) 133
Dubovik, V.M. and S.V. Shabanov, Free-field potentials in electrodynamics 142 (1989) 211
Dzuba, V.A., V.V. Flambaum, A.Ya. Kraftmakher and O.P. Sushkov, Summation of the high orders of perturbation theory in the correlation correction to the hyperfine structure and to the amplitudes of E1-transitions in the caesium atom 142 (1989) 373

Eaiprasertsak, K., I.M. Tang and W. Tontiwattana, Effect of different quenching methods on Pb substituted "2212" bismuth superconductor 142 (1989) 519
Ebina, K. and H. Miyagi, Anisotropic structures of metallic hydrogen 142 (1989) 237
Economou, E.N., see T. Fraggis 142 (1989) 361
Elbaum, C., see T.A. Johnson 142 (1989) 261
Elder, K.R., see S. Puri 142 (1989) 357
Elyutin, S., A. Maimistov, E. Manykin and Y. Sklyarov, Numerical study of fast oscillating breathers in the self-induced transparency phenomenon 142 (1989) 493
Enomoto, Y. and R. Kato, Pattern evolutions in quenched systems with a complex scalar order parameter 142 (1989) 256
Ewert, D., see W.H. Fietz 142 (1989) 300

Fang, J., The effects of white noise on complexity in a two-dimensional driven damped dynamical system 142 (1989) 344
Feix, M.R., see L. Cairo 142 (1989) 537
Feng, S., see H.L. Zhao 142 (1989) 36
Fietz, W.H., C.A. Wassilew, D. Ewert, M.R. Dietrich, H. Wühl, D. Hochheimer and Z. Fisk, X-ray investigations of La_2CuO_4 and Pr_2CuO_4 under high pressure 142 (1989) 300
Filatova-Novoselova, T.V., see P.N. Brusov 142 (1989) 179
Firsov, E.I., see V.M. Burlakov 142 (1989) 514
Fisk, Z., see W.H. Fietz 142 (1989) 300
Flambaum, V.V., see V.A. Dzuba 142 (1989) 373
Flesselles, J.M. and R. Botet, A dynamical study of mean-field spin glass equations 142 (1989) 311
Fraggis, T., St. Pnevmatikos and E.N. Economou, Excitation of the impurity mode by topological solitons in a φ^4 atomic chain 142 (1989) 361
Frasinski, L.J., K. Codling and P.A. Hatherly, Multiphoton multiple ionisation of N_2 probed by covariance mapping 142 (1989) 499

Gammaitoni, L., E. Menichella-Saetta, S. Santucci and F. Marchesoni, Extraction of periodic signals from a noise background 142 (1989) 59
Ghatak, K.P., see B. Mitra 142 (1989) 401
Ghosh, P., Supersymmetry, conformal spinors and baryon number 142 (1989) 315
Gibbon, J.D., see M. Bartuccelli 142 (1989) 349
Gisselfält, M., see M. Bartuccelli 142 (1989) 349
Gitterman, M., R.I. Shrager and G.H. Weiss, Influence of noise on systems described by a Mathieu equation 142 (1989) 84
Goedert, J., see L. Cairo 142 (1989) 537
Golubev, D.S. and A.D. Zaikin, Dynamics of a quantum particle in a double-well and periodic potentials: perturbation theory 142 (1989) 265
Gonzalez, A., see A.A. Belov 142 (1989) 389

Grillon, M.P. and F.G. Brady Moreira, Exact renormalization group approach on frustrated Sierpinski-type fractals 142 (1989) 22
Grønbech-Jensen, N., R.D. Parmentier and N.F. Pedersen, Phase-locking of fluxon oscillations in long Josephson junctions coupled through a resonator 142 (1989) 427
Gu, B.-L., see J.-L. Zhu 142 (1989) 159
Gu, Z.-Y., see B.-W. Huang 142 (1989) 203
Guptasarma, P., see M.S. Multani 142 (1989) 293
Gurjar, A.V., see M.S. Multani 142 (1989) 293

Hacyan, S., see A. Sarmiento 142 (1989) 194
Hagan, P.S., see P. Rosenau 142 (1989) 26
Hamabata, H., Exact nonlinear axisymmetric wave solutions of magnetohydrodynamic equations 142 (1989) 381
Harikrishnan, K.P. and V.M. Nandakumaran, An analogue of the logistic map in two dimensions 142 (1989) 483
Harris, S., see O. Hartmann 142 (1989) 504
Hartmann, O., E. Karlsson, S. Harris, R. Wäppling and T.O. Niinikoski, Experimental support for the Kondo theory for light particle tunneling in metals 142 (1989) 504
Hatherly, P.A., see L.J. Frasinski 142 (1989) 499
Herrera, L. and J. Ibáñez, Junction conditions on surface layers for radiating fluid spheres with heat flow, Phys. Lett. A 138 (1989) 1. Erratum 142 (1989) 537
Hihara, T., see K. Morimoto 142 (1989) 49
Hijmans, T.W. and G.V. Shlyapnikov, Small angle inelastic scattering of hydrogen atoms from a liquid He surface 142 (1989) 45
Hikata, A., see T.A. Johnson 142 (1989) 261
Hochheimer, D., see W.H. Fietz 142 (1989) 300
Hou, X., see B. Yang 142 (1989) 155
Huang, B.-W., Z.-Y. Gu and S.-W. Qian, Invariants and symmetries for a particle with a force quadratic in the velocity 142 (1989) 203
Huang, N.-N., see Z.-Y. Chen 142 (1989) 31
Huang, W.F., see K.C. Lim 142 (1989) 164

Iannuzzi, M., Electron–slit interaction in classical mechanics 142 (1989) 191
Ibáñez, J., see L. Herrera 142 (1989) 537
Izrailev, F.M. and R. Scharf, Intermediate eigenvalue statistics connected with Dyson's Coulomb gas 142 (1989) 89

Jatkar, D.P., C. Nagaraja Kumar and A. Khare, A quasi-exactly solvable problem without Sl(2) symmetry 142 (1989) 200
Jin, K.J. and Y.Z. Zhang, Stability of self-gravitating systems of fermions 142 (1989) 79
Johnson, T.A., M.J. Moelter, J.L. Snow, A. Hikata and C. Elbaum, Evolution of convection in water toward steady state, studied by ultrasonics 142 (1989) 261

Karlsson, E., see O. Hartmann 142 (1989) 504
Karpov, G.V., see N.B. Zolotoy 142 (1989) 251
Kato, R., see Y. Enomoto 142 (1989) 256
Kaushal, R.S., An exact solution of the Schrödinger wave equation for a sextic potential 142 (1989) 57
Khare, A. and Y.P. Varshni, Is shape invariance also necessary for lowest order supersymmetric WKB to be exact? 142 (1989) 1

Khare, A., see D.P. Jatkar 142 (1989) 200
Khodyrev, V.A. and V.Ya. Chumanov, Z_2-oscillations of magnitude and position of the maximum in the stopping cross section of hydrogen ions 142 (1989) 151
Kireev, A., A. Mann, M. Revzen and H. Umezawa, Thermal squeezed states in thermo field dynamics and quantum and thermal fluctuations 142 (1989) 215
Kitano, M. and T. Yabuzaki, Observation of Lorentz-group Berry phases in polarization optics 142 (1989) 321
Klarsfeld, S. and J.A. Oteo, Analytic properties of the Magnus operator for two solvable Hamiltonians 142 (1989) 393
Klimov, A.B., see V.V. Dodonov 142 (1989) 511
Kozlov, M.G. and S.G. Porsev, The possibility to study the break of time-reversal invariance in atoms 142 (1989) 233
Kraftmakher, A.Ya., see V.A. Dzuba 142 (1989) 373
Kraiskaya, K.V., see V.M. Burlakov 142 (1989) 514
Krebs, H.U., see A. Bartos 142 (1989) 181

Lalović, D., see V. Veljković 142 (1989) 528
Levin, G.A., Hopping conductivity of granular metals; test network method 142 (1989) 405
Li, W., On the general form of the direct linearization for nonlinear evolution equations 142 (1989) 117
Liang, J.Q., Twisting of quantum states and the geometrical phase shift 142 (1989) 11
Liebert, W. and H.G. Schuster, Proper choice of the time delay for the analysis of chaotic time series 142 (1989) 107
Lim, K.C., W.F. Huang, Z.J. Xu, F.G. Yamagishi, M.A. Schen and T.C. Chung, Positron trap states in amorphous and crystalline conjugated polydiacetylene polymers 142 (1989) 164
Lou, Y.-M., see J.-L. Zhu 142 (1989) 159
Lozovik, Yu.E., see A.A. Belov 142 (1989) 389
Lukács, B., see L. Diósi 142 (1989) 331

Maimistov, A., see S. Elyutin 142 (1989) 493
Man'ko, V.I., see V.V. Dodonov 142 (1989) 511
Mann, A., see A. Kireev 142 (1989) 215
Manykin, E., see S. Elyutin 142 (1989) 493
Marchesoni, F., see L. Gammaitoni 142 (1989) 59
Markovski, B.L., see V.M. Dubovik 142 (1989) 133
Martens, H., see W.M. de Muynck 142 (1989) 187
Martínez y Romero, R., H.N. Núñez-Yépez and A.L. Salas-Brito, Supersymmetric hydrogen atom in one dimension 142 (1989) 318
Mavromatos, N.E. and M. Ruiz-Altaba, n-flavour Thirring models from compact Chern–Simons CP^1 theories and high-T_c superconductivity 142 (1989) 419
McIver, J.K., see J.-L. Chern 142 (1989) 99
Meers, B.J., The frequency response of interferometric gravitational wave detectors 142 (1989) 465
Menichella-Saetta, E., see L. Gammaitoni 142 (1989) 59
Mitko, A.G., see V.M. Burlakov 142 (1989) 514
Mitra, B. and K.P. Ghatak, A simplified analysis of the field emission from semiconductor superlattices under magnetic quantization 142 (1989) 401
Mitra, T.K., On the stability of a Fröhlich bipolaron 142 (1989) 398
Miyagi, H., see K. Ebina 142 (1989) 237
Moelter, M.J., see T.A. Johnson 142 (1989) 261

Morimoto, K. and T. Hihara, NMR study of ^2D in $(ND_4)_2S_2O_8$, $(ND_4)_2Cr_2O_7$ and $(NH_{4-x}D_x)_2S_2O_8$, $(NH_{4-x}D_x)Cr_2O_7$: enhancement of relaxation rate of ^2D via rare spin ^{17}O in partially deuterated compounds 142 (1989) 49
Mullen, K., see M. Amman 142 (1989) 431
Müller-Hoissen, F., see A. Dimakis 142 (1989) 73
Multani, M.S., P. Guptasarma, V.R. Palkar, P. Ayyub and A.V. Gurjar, Size effects in microparticle high temperature superconducting ceramics $YBa_2Cu_3O_{7-\delta}$ and $Bi_2CaSr_2Cu_2O_{8+y}$ 142 (1989) 293
Murthy, G., see A. Berkovich 142 (1989) 121
Muslimov, A.G., see S.V. Chervon 142 (1989) 14

Nagaraja Kumar, C., see D.P. Jatkar 142 (1989) 200
Nandakumaran, V.M., see K.P. Harikrishnan 142 (1989) 483
Nasten'ka, M.Y., see P.N. Brusov 142 (1989) 179
Nguyen, H.C., Cosmological constant and regular Bianchi type-1 models with radiation in the minimum quadratic gauge theory of gravity 142 (1989) 326
Niinikoski, T.O., see O. Hartmann 142 (1989) 504
Northcutt, R.L., see P. Rosenau 142 (1989) 26
Nunes da Silva, J.M., Effect of delayed interactions in the critical dynamics of the 1D Glauber model 142 (1989) 471
Núñez-Yépez, H.N., see R. Martínez y Romero 142 (1989) 318

Oteo, J.A., see S. Klarsfeld 142 (1989) 393

Pagano, S., see R. Cristiano 142 (1989) 169
Palkar, V.R., see M.S. Multani 142 (1989) 293
Parmentier, R.D., see N. Grønbech-Jensen 142 (1989) 427
Parthasarathy, R., see B. Chakraborty 142 (1989) 75
Pedersen, N.F., see N. Grønbech-Jensen 142 (1989) 427
Pegoraro, F., Extended variable representations 142 (1989) 384
Peyrard, M., see H. Desfontaines 142 (1989) 128
Pnevmatikos, St., see T. Fraggis 142 (1989) 361
Porsev, S.G., see M.G. Kozlov 142 (1989) 233
Proto, A.N., see J. Aliaga 142 (1989) 63
Protogenov, A.P., Topological excitations and phase transition hierarchy in high-temperature superconductors 142 (1989) 285
Puri, S., K.R. Elder and R.C. Desai, Approximate asymptotic solutions to the *d*-dimensional Fisher equation 142 (1989) 357

Qian, S.-W., see B.-W. Huang 142 (1989) 203
Quispel, G.R.W. and H.W. Capel, Local reversibility in dynamical systems 142 (1989) 112

Rambaut, M. and J.P. Vigier, The simultaneous existence of EM Grassmann–Lorentz forces (acting on charged particles) and Ampère forces (acting on charged conducting elements) does not contradict relativity theory 142 (1989) 447
Rashkeev, S.N., see A.M. Bratkovsky 142 (1989) 172
Revzen, M., see A. Kireev 142 (1989) 215
Rosales, J.L. and J.L. Sánchez-Gómez, Conformal metric fluctuations and quantum mechanics 142 (1989) 207

Rosenau, P., P.S. Hagan, R.L. Northcutt and D.S. Cohen, Delayed diffusion due to flux limitation 142 (1989) 26
Ruiz-Altaba, M., see N.E. Mavromatos 142 (1989) 419
Ryabov, V., Integral kinetic equation in dechanneling problem 142 (1989) 41

Sacramento, P.D. and P. Schlottmann, The quadrupolar Kondo effect: lattice instability and large γ-values 142 (1989) 245
Salas-Brito, A.L., see R. Martínez y Romero 142 (1989) 318
Salerno, M., see S. De Filippo 142 (1989) 479
Salesi, G., Energy spread of the unstable state and proton decay observation 142 (1989) 453
Sánchez-Gómez, J.L., see J.L. Rosales 142 (1989) 207
Santucci, S., see L. Gammaitoni 142 (1989) 59
Sarmiento, A., S. Hacyan, G. Cocho, F. Soto and C. Villarreal, The energy-density spectrum of vacuum in prismatic cavities 142 (1989) 194
Scharf, R., see F.M. Izrailev 142 (1989) 89
Schen, M.A., see K.C. Lim 142 (1989) 164
Schlottmann, P., see P.D. Sacramento 142 (1989) 245
Schuster, H.G., see W. Liebert 142 (1989) 107
Shabanov, S.V., see V.M. Dubovik 142 (1989) 211
Shen, H., see Y. Wang 142 (1989) 289
Shen, Y.-G. and Z.-Q. Tan, Global regular solution in higher-dimensional Schwarzschild spacetime 142 (1989) 341
Shlyapnikov, G.V., see T.W. Hijmans 142 (1989) 45
Shpot, N.A., Critical behavior of the *mn*-component field model in three dimensions. II. Three-loop results 142 (1989) 474
Shrager, R.I., see M. Gitterman 142 (1989) 84
Shvartsburg, A.B., High speed resonant recording of frequency detuning in optical and submillimeter ranges using superfluidity phenomena 142 (1989) 371
Silvestrini, P., see R. Cristiano 142 (1989) 169
Sklyarov, Y., see S. Elyutin 142 (1989) 493
Snow, J.L., see T.A. Johnson 142 (1989) 261
Som, M.M., see M.S. Berman 142 (1989) 338
Soto, F., see A. Sarmiento 142 (1989) 194
Stephens, C.R., The Hawking effect: is it experimentally observable? 142 (1989) 68
Šťovíček, P., The Green function for the two-solenoid Aharonov–Bohm effect 142 (1989) 5
Sushkov, O.P., see V.A. Dzuba 142 (1989) 373
Suzko, A.A., see V.M. Dubovik 142 (1989) 133
Syrnikov, P.P., see V.V. Aleksandrov 142 (1989) 307

Tan, Z.-Q., see Y.-G. Shen 142 (1989) 341
Tang, I.M., see K. Eaiprasertsak 142 (1989) 519
Tanikawa, K., see Y. Yamaguchi 142 (1989) 95
Tiwari, S.C., Scalar field in gravitational theory 142 (1989) 460
Tontiwattana, W., see K. Eaiprasertsak 142 (1989) 519

Uhrmacher, M., see A. Bartos 142 (1989) 181
Umarov, B.A., see F.Kh. Abdullaev 142 (1989) 490
Umezawa, H., see A. Kireev 142 (1989) 215

Varshni, Y.P., see A. Khare 142 (1989) 1
Velichkina, T.S., see V.V. Aleksandrov 142 (1989) 307
Veljković, V. and D. Lalović, A stoichiometry criterion for high T_c superconductors 142 (1989) 528
Verwimp, T., Fibre bundle generated theory of higher dimensional gravity 142 (1989) 17
Vigier, J.P., see M. Rambaut 142 (1989) 447
Villarreal, C., see A. Sarmiento 142 (1989) 194
Vinitsky, S.I., see V.M. Dubovik 142 (1989) 133
Volovik, G.E., Zeroes in the energy gap in superconductors with high transition temperature 142 (1989) 282
Voronkova, V.I., see V.V. Aleksandrov 142 (1989) 307

Wang, L., see H.L. Zhao 142 (1989) 36
Wang, R., On the critical temperature T_c of superconductors 142 (1989) 412
Wang, Y., J. Wu, J. Zhu, H. Shen, J. Zhang, Y. Yan and Z. Zhao, Elastic anisotropy and lattice instability in $Bi_2Sr_2Ca_1Cu_2O_8$ single crystal 142 (1989) 289
Wäppling, R., see O. Hartmann 142 (1989) 504
Wassilew, C.A., see W.H. Fietz 142 (1989) 300
Weiss, G.H., see M. Gitterman 142 (1989) 84
Wu, J., see Y. Wang 142 (1989) 289
Wühl, H., see W.H. Fietz 142 (1989) 300

Xu, Y.L., see B. Yang 142 (1989) 155
Xu, Z.J., see K.C. Lim 142 (1989) 164

Yabuzaki, T., see M. Kitano 142 (1989) 321
Yakovlev, I.A., see V.V. Aleksandrov 142 (1989) 307
Yamagishi, F.G., see K.C. Lim 142 (1989) 164
Yamaguchi, Y. and K. Tanikawa, Change of the fractal dimension of basin boundaries in a two-dimensional cubic map 142 (1989) 95
Yan, Y., see Y. Wang 142 (1989) 289
Yang, B., X. Hou and Y.L. Xu, Monte Carlo simulation of the temporal response times of negative electron affinity GaAs transmission photocathodes 142 (1989) 155
Yanovskii, V.K., see V.V. Aleksandrov 142 (1989) 307
Yoo, K.M. and R.R. Alfano, Time resolved depolarization of multiple backscattered light from random media 142 (1989) 531

Zaikin, A.D., see D.S. Golubev 142 (1989) 265
Zhang, J., see Y. Wang 142 (1989) 289
Zhang, Y.Z., see K.J. Jin 142 (1989) 79
Zhao, H.L., Y. Zhu, L. Wang and S. Feng, Collective excitations of edge state electrons in quasi-one-dimensional quantum well wires 142 (1989) 36
Zhao, Z., see Y. Wang 142 (1989) 289
Zhu, J., see Y. Wang 142 (1989) 289
Zhu, J.-L., B.-L. Gu and Y.-M. Lou, A powerful method for one-dimensional problems 142 (1989) 159
Zhu, Y., see H.L. Zhao 142 (1989) 36
Zimdahl, W., Fluctuation–dissipation theorem in the early universe 142 (1989) 229
Zolotoy, N.B. and G.V. Karpov, Mass spectrometry of field evaporation of ions from solutions. The mechanism of the phenomenon in aqueous solutions 142 (1989) 251